

# ERIT System Inventory and Shipping Report

Ship to	Ship Date:	
site name:		
addr:	Partial Ship	_____ No _____ Yes (if yes, see below)
	Ship carrier:	_____
city/st/zip:	Air bill #:	_____
ATTN:		
phone:	( )	Installer/Packer:
Sequence #:		Total # box:

√	Box	Value	Qty	Component Description	OATS	Serial Number	
ERIT/Recorder System PC							
	7	\$0		1. RDI System(RDIBoard,RDIAdapter Box,RDICable)	No	1. RDIB:	1. RDIA:
		\$1475	1	2. 19 Equipment Rack	No	2. RDIB:	2. RDIA:
		\$0		3. Cable: ERIT Interface Cables Set	No	3. RDIB:	3. RDIA:
	7	\$51	1	4. Power Center/Conditioner	Yes	4. RDIB:	4. RDIA:
	7	\$33	1	5. Cable: SCSI-2 6	No	5. RDIB:	5. RDIA:
	7	\$25	1	6. SCSI Active Terminator plug	No	6. RDIB:	6. RDIA:
	internal		1	7. RAM: 16MB	Yes	7. RDIB:	7. RDIA:
	internal		1	8. SCSI Host Adapter: EISA Bus	Yes	8. RDIB:	8. RDIA:
	internal		1	9. Hard Drive: 1.0GB int. SCSI	Yes	9. RDIB:	9. RDIA:
	1	\$8	1	10. Mouse: serial	No	P/N RDIC:	COUNT LOOPBACK PLUG(S):
	1	\$4	1	11. DB9m to DB25m Serial Adapter	No	Shipping Notes	
	7	\$70	1	12. s/w: MS DOS v5.0	Yes		
	7	\$45	1	13. s/w: MS DOS Upgrade to v6.2	No		
	7	\$72	1	14. s/w: Adaptec EZ SCSI drivers	Yes		
	7	\$89	1	15. s/w: MS Windows v3.1	No		
	7	\$110	1	16. s/w: Norton Utilities v7.0	Yes		
		\$0	1	17. RDIA Box Mounting Kit	No		
	1	\$4350	1	18. AST Premium SE 486/66 & Keyboard (grey color)	Yes		
	3	\$350	1	19. Monitor: CRT 14 SVGA .28mm	Yes	S/N:	
	9	\$3952	1	20. Magneto-optical dual ext. drive tower	No	S/N:	
ERIT/Analyzer System PC							
	2	\$4350	1	21. AST Premium SE 486/66 & Keyboard (cream clr)	Yes	S/N:	
	4	\$350	1	22. Monitor: CRT 14 SVGA .28mm	Yes	S/N:	
	8	\$1952	1	23. Magneto-optical single ext. drive	No	S/N:	
	5	\$645	1	24. Printer: AMT Accel-535 color dot matrix	Yes	S/N:	
	6	\$349	1	25. Printer: Canon BJ230e bubble jet	No	S/N:	
	7	\$51	1	26. Power Center/Conditioner	Yes	Partial Shipments:	
	7	\$33	1	27. Cable: SCSI-2 6	No	CONTENTS:	AIRBILL #:
	7	\$25	1	28. SCSI Active Terminator plug	No		SHIP DATE:
	internal		1	29. RAM: 16MB	Yes		BOX #:
	internal		1	30. SCSI Host Adapter: EISA Bus	Yes	CONTENTS:	AIRBILL #:
	internal		1	31. Hard Drive: 1.0GB int. SCSI	Yes		SHIP DATE:
		\$355	1	32. Tape Drive: int. SCSI	Yes		BOX #:
		\$165	1	33. CD-ROM Drive: 4x int. SCSI	No	CONTENTS:	AIRBILL #:
		\$494	1	34. Modem: 9600 baud, int.	Yes		SHIP DATE:
	2	\$75	1	35. Mouse: PS/2	Yes		BOX #:
	7	\$8	1	36. Cable: 6 Parallel extender DB25 m/m	No	CONTENTS:	AIRBILL #:
	7	\$8	2	37. Cable: 6 Printer	Yes		SHIP DATE:
	7	\$15	1	38. Switch: A/B Parallel Data	No		BOX #:
	7	\$45	1	39. s/w: MS DOS Upgrade to v6.2	Yes	CONTENTS:	AIRBILL #:
	7	\$72	1	40. s/w: Adaptec EZ SCSI drivers	Yes		SHIP DATE:
	7	\$89	1	41. s/w: MS Windows v3.1	Yes		BOX #:
	7	\$110	1	42. s/w: Norton Utilities v8.0	Yes	CONTENTS:	AIRBILL #:
	7	\$72	1	43. s/w: Pizzaz Plus	Yes		SHIP DATE:
	7	\$45	1	44. s/w: Backit 4	Yes		BOX #:
	7	\$275	1	45. s/w: MS Word v6.0	Yes	Shipping Notes	
	7	\$72	3	45. dsk: Magneto-optical media cartrdiges	No		
	7	\$0	1	46. dsk: ERIT EISA System Config. Disk	No		
	7	\$0	1	47. dsk: RIT Boot Disk	No		
	7	\$0	1	48. dsk: RIT Backup MO Cartridge	No		

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# E - R I T   S Y S T E M

## *Q U I C K   S E T U P*

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Congratulations! You have just received the FAA's new EnRoute - Radar Intelligent Tool (E-RIT). The E-RIT system consists of two (2) personal computer systems designated as E-RIT/R(ecorder) and E-RIT/A(nalyzer).

The E-RIT/R is the FAA's continuous radar data recording system. E-RIT/R records data via the Radar Data Interface (RDI) system onto magneto-optical drives. The 19" E-RIT System Rack will be home to the E-RIT/R.

The E-RIT/A is the radar analysis station similar to single sensor Radar Intelligent Tool (RIT) system. Microsoft Windows based software is currently being developed and tested to run the FAA's inventory of radar analysis functions. System operators is expected to transport magneto-optical drive cartridges from the E-RIT/R to the E-RIT/A's magneto-optical drive for analysis.

<p><b><i>Warning !</i></b>   Installing components or altering switch settings while the computer is on can permanently damage the computer and its components.</p>
---

## **Packing List ERIT**

The Enroute - Radar Intelligent Tool (E-RIT) System delivery is a multi-part shipment comprised of nine (9) boxes. Boxes may arrive at different times and out of order due to the assembly, testing and shipping conditions. Each box contains a packing list, with box #1 containing the Shipping Report.

Box #	Contents Description
1.	E-RIT/R AST Premium SE 486/66 computer
2.	E-RIT/A AST Premium SE 486/66 computer
3.	14   SVGA Monitor
4.	14   SVGA Monitor
5.	AMT Accel 535 color dot matrix printer
6.	Canon BJ230e Bubble jet printer
7.	Software/power center/RDIA/RDIC/Misc.
8.	Single external MO drive
9.	Dual external MO drive

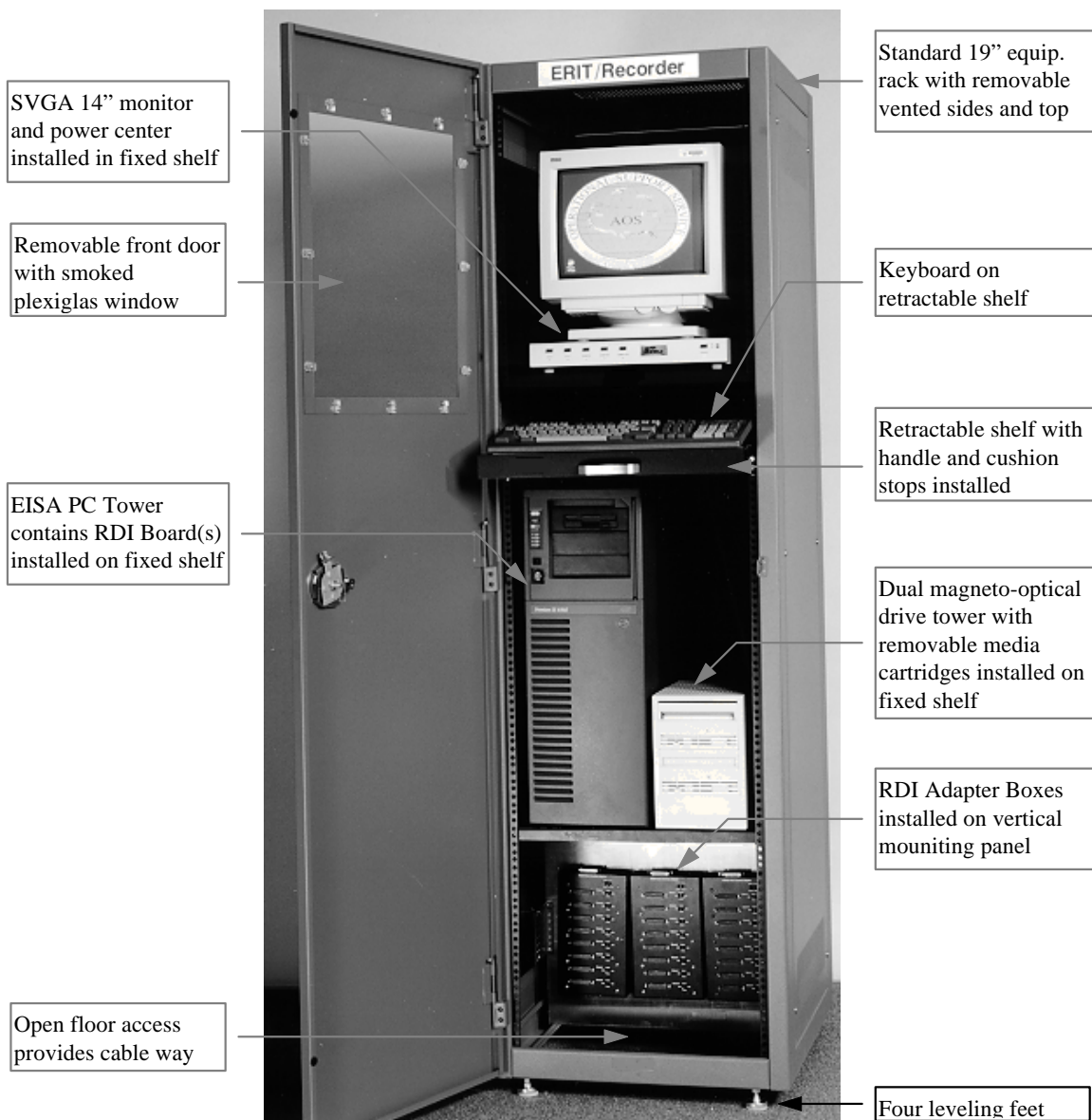
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<b>E-RIT/A(nalyzer)</b>	<b>E-RIT/R(ecorder)</b>
<b>HARDWARE:</b>	
AST Tower 486/66 EISA PC	AST Tower 486/66 EISA PC
CRT 14" SVGA	CRT 14" SVGA
Power center/conditioner	Power center/conditioner
MS PS/2 mouse	Serial mouse w/DB9->DB25 adapter
Single external magneto-optical drive	Dual external magneto-optical drive
6' SCSI-2 to Cent50 cable	6' SCSI-2 to Cent50 cable
SCSI active terminator	SCSI active terminator
AMT Accel-535 wide carriage dot matrix color printer	RDI Systems (RDIB, RDIC, RDIA)
6' parallel printer cable	
Canon BJ230e bubble jet printer	
6' parallel printer cable	
A/B data switch	
10' printer extension cable	
Wangtek Hi-capacity SCSI internal tape drive (installed)	
Toshiba quad-speed SCSI internal CD-ROM drive (installed)	
US Robotics internal v.32 modem (installed)	
Toshiba quad (4x) speed internal SCSI CD-ROM drive (installed)	
<b>SOFTWARE (installed):</b>	
MS DOS v5.0	MS DOS v5.0
MS DOS v6.2 upgrade	MS DOS v6.2 upgrade
Adaptec EZ-SCSI drivers	Adaptec EZ-SCSI drivers
MS Windows v3.1	MS Windows v3.1
Pizzaz plus	RDI Recording Software
Norton Utilities v8.0	Norton Utilities v7.0
F-Prot Professional Virus Protection	F-Prot Professional Virus Protection
Back-it v4.0	
MS Word for Windows v6.0	
TRACS-9 Radar Analysis Tools	

## E-RIT System Assembly

Assembling the E-RIT system is a simple task. The E-RIT/A has these peripherals: monitor, keyboard, PS/2 mouse, dot matrix printer and a bubble jet printer, and a single drive magneto-optical (MO) drive. The E-RIT/R has these peripherals: monitor, keyboard, serial mouse, DB9 to DB25 adapter, and a dual magneto-optical (MO) drive tower.

The E-RIT/A should be installed at a desk location where radar analysis is performed. The E-RIT/R should be installed in the E-RIT System Rack (already delivered) in the equipment room and interfaced to the NAS modem splitter rack by the E-RIT Interface Cables (already delivered).



E-RIT SYSTEM RACK POPULATED WITH E-RIT/R

## Remove the internal foam packing

**Warning !** Before powering either E-RIT/A or E-RIT/R computer, open the system cabinet and remove the foam packing used to secure the add-in boards during shipping. Damage may result from NOT removing this packing foam!! \*\*\*

The computer system-unit cover consists of two sections: the front panel, and the side panel. You must remove the front panel to open the side panel.

### To remove the front panel and open the side panel:

- STEP 1.** Push in slightly on the left center edge of the plastic access door (floppy drive) to open it.
- STEP 2.** Unlock the chassis, if necessary. The lock is on the front panel of the system unit. The keys are shipped attached to fan cage at the top rear of the system-unit. The chassis is shipped unlocked.
- STEP 3.** Pull and lift the latch under the bottom edge of the front panel. Pull the panel up, and then forward, to clear the handhold.
- STEP 4.** Remove the three screws.
- STEP 5.** Swing open the side panel door.
- STEP 6.** Remove the foam packing by “ripping” it off the side panel door.
- STEP 7.** No other internal adjustments are required. AOS has installed and configured all options for you to startup immediately.

## Monitor, keyboard, mouse connect

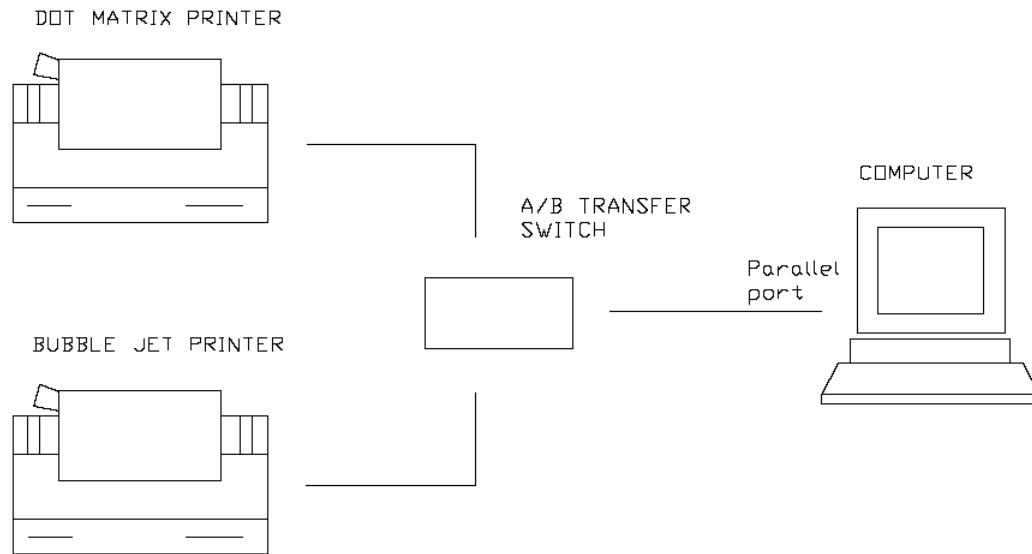
The VGA monitor is not tricky, for both E-RIT/A and E-RIT/R connect to the integrated VGA port on the back of the computer.

The keyboard is not tricky, for both E-RIT/A and E-RIT/R connect to the keyboard port on the back of the computer.

The mouse is different for the E-RIT/A and E-RIT/R systems. The E-RIT/A should have the Microsoft Mouse with the PS/2 interface and should be installed into the mouse port on the back of the E-RIT/A computer.

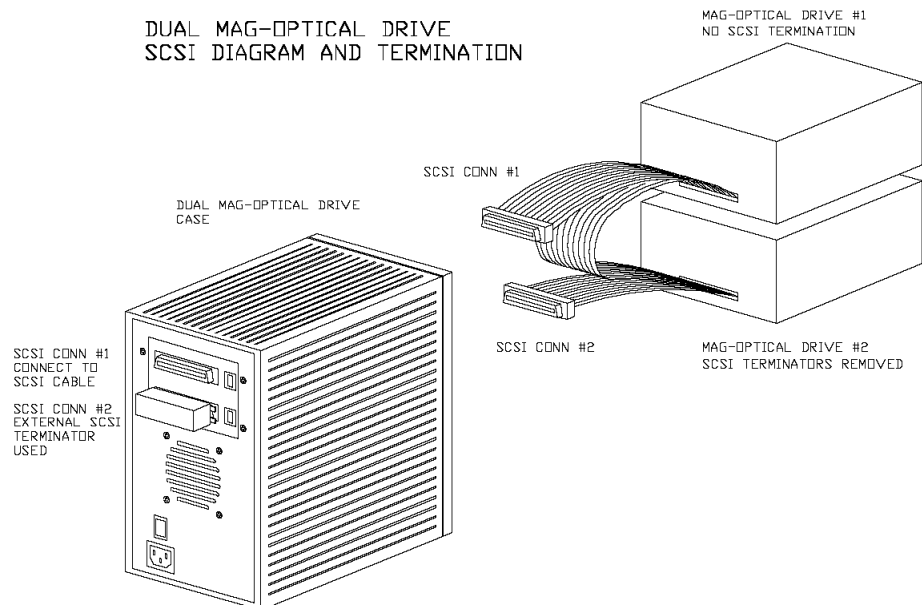
The E-RIT/R should have a mouse that has no label (red box) and should be installed via the DB9-DB25 pin to the “S E R 1” port (male DB25 interface, middle) of the E-RIT/R computer.

## Printer connect.



Connect the Accel-535 printer to the PC with the 6' parallel printer cable to port "A" on the A/B data switch and the Canon bubblejet to port "B" using the second 6' parallel printer cable. Using the 10' printer extension cable connect the A/B data switch "INPUT" port to the "P A R" port (female DB25 interface) located in the back of the computer, no tricks here.

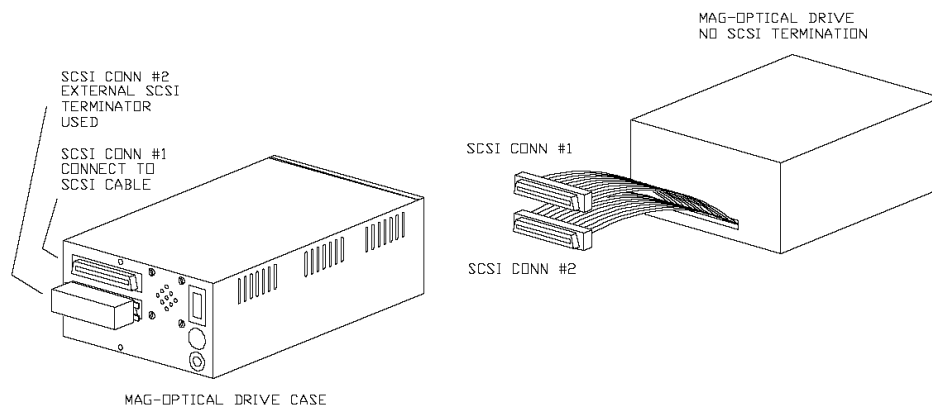
## Magneto-optical drive connect



Connecting the mag-op drives to both systems are essentially the same. Connect the SCSI cable to the PC SCSI-2 port (small 50 pin connector) located on the back of the computer and then to the TOP mag-op drive interface connector.

Install the SCSI active terminator to the LOWER mag-op drive interface connector on both systems (it is VERY important for proper operation). A mistake here will prevent proper communication between the PC and the mag-op drive and then therefore prevent DOS and Windows access to the drives. Ensure the cable is in the TOP and the terminator is in the LOWER connectors! Failure to install the terminators will cause some intermittent and weird problems.

SINGLE MAG-OPTICAL DRIVE  
SCSI DIAGRAM AND TERMINATION



The single mag-op drive (ERIT/A) is set to SCSI-Id 5, this has been set at the AOS-500 warehouse and is an internal jumper setting inside the drive case. Ensure the thumb wheels on the dual mag-op drive (ERIT/R) are set to top: SCSI-Id 5 and bottom: SCSI-Id 6, this located on the back of the mag-op drive near the cable connections. Use a pencil/pen point as required. Incorrect settings may produce errors at bootup time.

**Warning !** Some problems have been experienced with the computers booting up. Due to shipping jarring, the dual MO drives SCSI-Id's may not be set causing the computer not to boot, reset the SCSI-Id's with a pen or pencil point.

## SITE TECHNICAL BULLETIN

**DATE:** June 25, 1996

**NUMBER:** STB-RIT-005

**SYSTEM/TYPE:** Radar Intelligent Tool - En Route

**SUBJECT:** E-RIT System Delivery

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1. PURPOSE. This site technical bulletin (STB) delivers the Enroute - Radar Intelligent Tool (E-RIT) System, including all necessary hardware and instructions for installation. The E-RIT System is the the FAA's new continuous, multi sensor radar data recording and analysys.

2. DISTRIBUTION. The E-RIT System distribution follows a selected site schedule (ARTCC's, CERAP's and selected TRACON's, see attachment 2).

3. REFERENCES. Not applicable.

4. DESCRIPTION OF PROBLEM. Refer to Attachment 1.

5. SITE APPLICATION. As listed in attachment 2.

6. CONTENTS.

ITEM	DESCRIPTION	Qty
Attachment 1	E-RIT System Getting Started Guide	1
Attachment 2	List of E-RIT System Candidates	1
Attachment 3	E-RIT System computer Hardware	1

1. RECOMMENDED SOLUTION/ACTION. Not applicable.

2. HARDWARE/SOFTWARE IMPACT. Not applicable.

3. CLARIFICATION OR COMMENTS. The E-RIT System is delivered under this cover. As it becomes available, additional information will be delivered to the offices identified in the Attachment 2 candidates list.

4. For further information or comments, please contact the National Data Communications Systems Engineering Division, AOS-500, on (609) 485-HELP.

Director, Operational Support Service

3 Attachments

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**DISTRIBUTION:** Selected Airway Facilities  
Field and Regional Offices

**INITIATED BY:** AOS-520



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## Attachment 1

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# ***E-RIT System Getting Started Guide***

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# ***E-RIT System v4***

*EnRoute - Radar Intelligent Tool*

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## ***Getting Started Guide***



### **FAA Operational Support**

AOS-500, FAA William J. Hughes Technical Center  
Atlantic City International Airport, NJ 08405  
Main & Tech Support: (609)485-HELP  
Fax: (609)485-4235

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# About This Guide

This guide provides you with minimal information to quickly setup and power on your EnRoute - Radar Intelligent Tool (E-RIT) System.

## Change Proposals

Change proposals, comments and requests for copies should be directed to:



FAA Operational Support  
National Airways Systems Engineering Division  
ASR-9 Terminal/RDAS Branch  
AOS-270  
FAA William J. Hughes Technical Center  
Atlantic City International Airport, NJ 08405

Main & Tech Support: (609) 485-HELP  
AOS-200 Fax: (609) 485-6488

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## 2. E-RIT System Unpacking

### Introduction

You have just received the FAA's new Enroute - Radar Intelligent Tool (E-RIT). The E-RIT system consists of two (2) personal computer systems designated as E-RIT/R(ecorder) and E-RIT/A(nalyzer).

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**Warning !** Installing components or altering switch settings while the computer is on can permanently damage the computer and its components.

### E-RIT Packing

The E-RIT System delivery is a multi-part shipment comprised of nine (9) boxes. Boxes may arrive at different times and out of order due to the assembly, testing and shipping conditions. Each box contains a packing list, with box #1 containing the Shipping Report.

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2.	E-RIT/A AST Premium SE 486/66 computer
3.	14" SVGA Monitor
4.	14" SVGA Monitor
5.	AMT Accel 535 color dot matrix printer
6.	Canon BJ230e Bubble jet printer
7.	Software/power center/RDIA/RDIC/Misc.
8.	Single external MO drive
9.	Dual external MO drive

E-RIT SYSTEM BOX CONTENTS

## E-RIT Components

The E-RIT System consists of several small components that are necessary to the proper installation and operation of the system. Below is a list of the components:

E-RIT/A(nalyzer)	E-RIT/R(ecorder)
<b>HARDWARE:</b>	
AST Tower 486/66 EISA PC	AST Tower 486/66 EISA PC
CRT 14" SVGA	CRT 14" SVGA
Power center/conditioner	Power center/conditioner
MS PS/2 mouse	Serial mouse w/DB9->DB25 adapter
Single external MO drive	Dual external MO drive
6' SCSI-2 to Cent50 cable	6' SCSI-2 to Cent50 cable
SCSI active terminator	SCSI active terminator
AMT Accel-535 wide carriage dot matrix color printer	RDI System(s) (RDI Board, RDI Cable, RDI Adapter)
6' parallel printer cable	RDI Loopback Plugs
Canon BJ230e bubble jet printer	
6' parallel printer cable	
A/B data switch	
10' printer extension cable	
Wangtek Hi-capacity SCSI internal tape drive (installed)	
Toshiba quad-speed SCSI internal CD-ROM drive (installed)	
US Robotics internal v.32 modem (installed)	
Toshiba quad (4x) speed internal SCSI CD-ROM drive (installed)	
<b>SOFTWARE (installed):</b>	
MS DOS v5.0	MS DOS v5.0
MS DOS v6.2 upgrade	MS DOS v6.2 upgrade
Adaptec EZ-SCSI drivers	Adaptec EZ-SCSI drivers
MS Windows v3.1	MS Windows v3.1
Pizzaz plus	RDI Recording Software
Norton Utilities v8.0	Norton Utilities v7.0
F-Prot Professional Virus Protection	F-Prot Professional Virus Protection
Back-it v4.0	
MS Word for Windows v6.0	E-RIT EISA EISA Configuration disk
TRACS-9 Radar Analysis Tools	E-RIT Boot diskette
	E-RIT Backup MO cartridge

E-RIT SYSTEM HARDWARE & SOFTWARE COMPONENTS

## E-RIT System Assembly

Assembling the E-RIT system is a simple task.

**The E-RIT/A has these peripherals:**

1. monitor
2. keyboard
3. PS/2 mouse
4. single MO external drive
5. wide carriage dot matrix printer
6. bubble jet printer

**The E-RIT/R has these peripherals:**

1. monitor
2. keyboard
3. serial mouse w/DB9->DB25 adapter
4. dual MO external drive tower
5. E-RIT System Rack (already delivered).
6. E-RIT Interface Cables (already delivered).

### E-RIT SYSTEM PERIPHERALS

### E-RIT/A Location

The E-RIT/A should be installed at a desk location where radar analysis is performed.

### E-RIT/R Location

The E-RIT/R should be installed in the E-RIT System Rack in the equipment room close enough to the modem rack to connect the pre-fabricated E-RIT Interface Cables..

## E-RIT Interface Cables

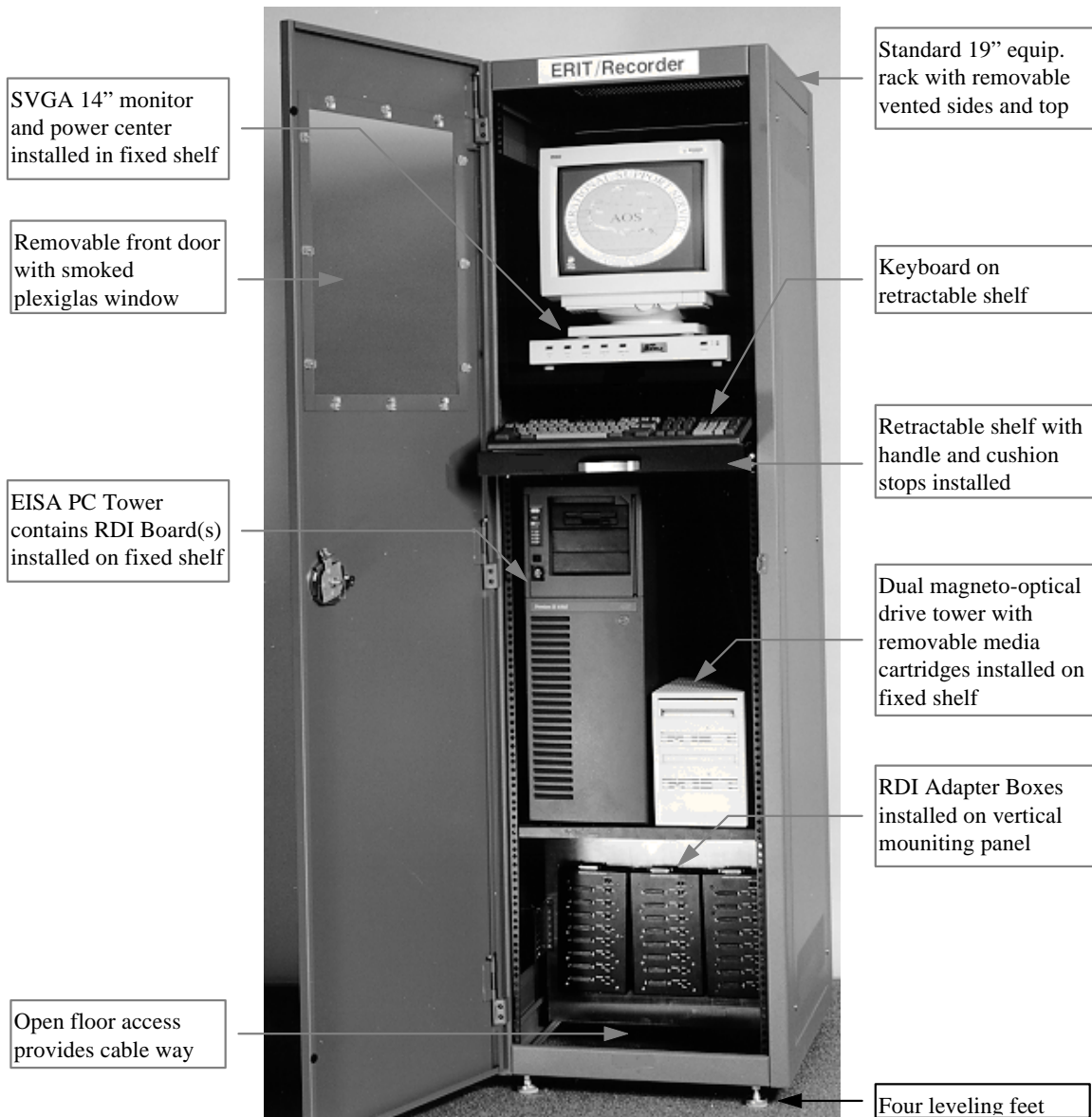
The E-RIT Interface Cables connect the NAS Modem Splitter to the E-RIT System (one cable per channel). The cables are shielded, plenum rated cables and are designed to be installed under the floor and secured up through the E-RIT System Rack bottom.

## E-RIT System Rack

The E-RIT System Rack is configured for the E-RIT/R computer with the RDI Adapters being installed on the vertical mounted panel at the bottom of the rack. The floor panel of the rack has been removed to provide a convenient area in which to pull cables from the floor and to allow the forced air cooling into the rack.

## Radar Data Recordings

Site users should record radar data on the MO cartridges. These cartridges provide a convenient method of transporting pre-recorded files to the E-RIT/A for analysis. There are no cables required between the E-RIT/R and the E-RIT/A.



E-RIT SYSTEM RACK POPULATED WITH E-RIT/R

## Remove the internal foam packing

**Warning !** Before powering either E-RIT/A or E-RIT/R computer, open the system cabinet and remove the foam packing used to secure the add-in boards during shipping. Damage may result from **NOT** removing this packing foam.

The computer system-unit cover consists of two sections: the front panel, and the side panel.

You must remove the front panel to open the side panel.

**To remove the front panel and open the side panel:**

- STEP 1.** Push in slightly on the left center edge of the plastic access door (floppy drive) into open it.
- STEP 2.** Unlock the chassis, if necessary. The lock is on the front panel of the system unit. The keys are shipped attached to fan cage at the top rear of the system-unit. The chassis is shipped unlocked.
- STEP 3.** Pull and lift the latch under the bottom edge of the front panel. Pull the panel up, and then forward, to clear the handhold.
- STEP 4.** Remove the three screws.
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- STEP 7.** No other internal adjustments are required. AOS has installed and configured all options for you to startup immediately.

## **Monitor, keyboard, mouse connect**

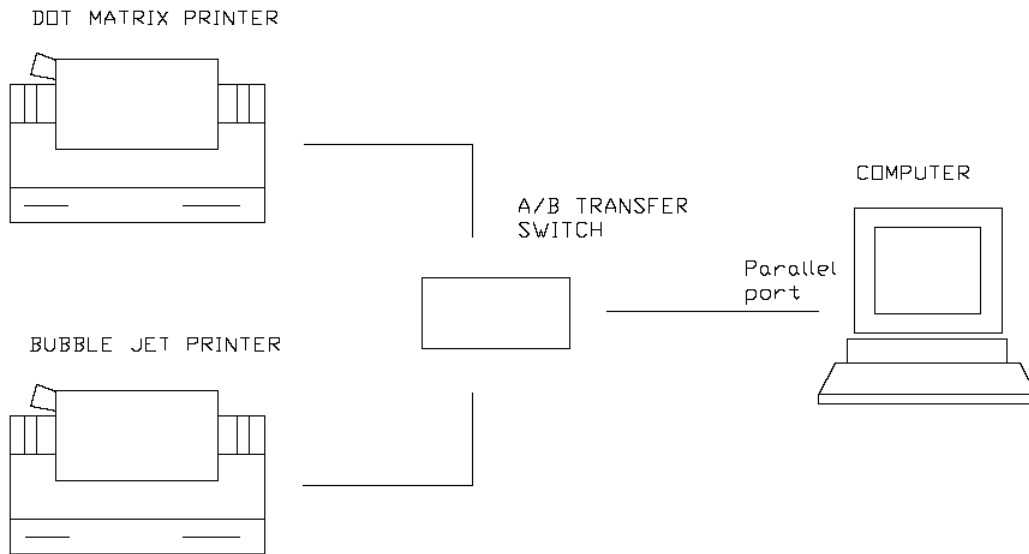
Connecting the VGA monitor is not tricky. For both E-RIT/A and E-RIT/R, connect the monitor to the integrated VGA port on the back of the computer.

Connecting the keyboard is not tricky. For both E-RIT/A and E-RIT/R connect to the keyboard port on the back of the computer.

The mouse is different for the E-RIT/A and E-RIT/R systems. The E-RIT/A should have the Microsoft Mouse with the PS/2 interface and should be installed into the mouse port on the back of the E-RIT/A computer.

The E-RIT/R should have a mouse that has no label (red box) and should be installed via the DB9 to DB25 pin to the “SER 1” port (male DB25 interface, middle) of the E-RIT/R computer.

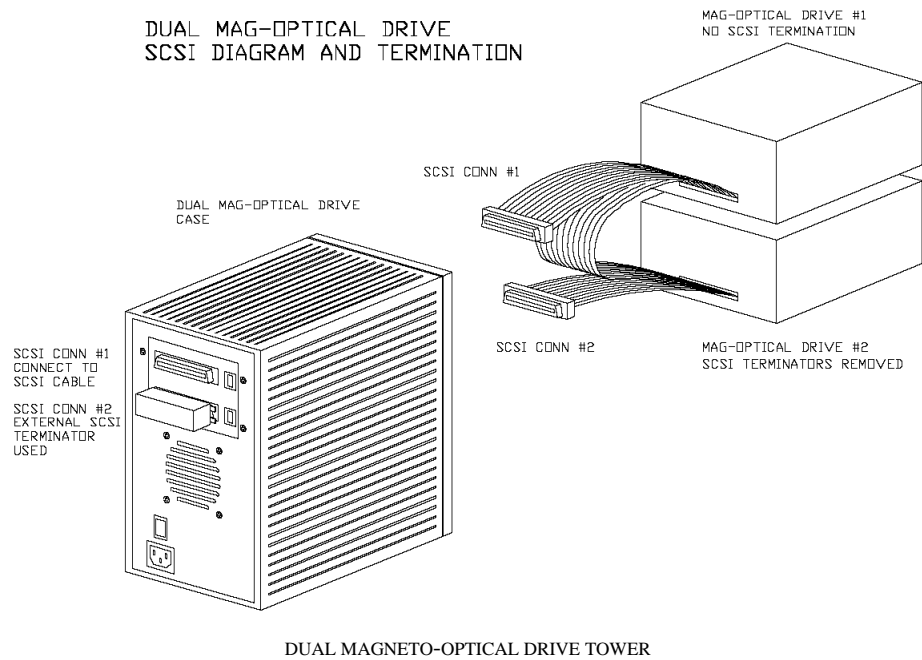
## Printer connect.



E-RIT/A SYSTEM PRINTER CONNECTION

Connect the Accel-535 printer to the PC with the 6' parallel printer cable to port "A" on the A/B data switch and the Canon bubblejet to port "B" using the second 6' parallel printer cable. Using the 10' printer extension cable connect the A/B data switch "INPUT" port to the "PAR" port (female DB25 interface) located in the back of the computer, no tricks here.

## Magneto-optical drive connect



DUAL MAGNETO-OPTICAL DRIVE TOWER

Connecting the MO drives to both systems are essentially the same. Connect the SCSI cable to the PC SCSI-2 port (small 50 pin connector) located on the back of the computer and then to the TOP MO drive interface connector.

### The External Active Terminator

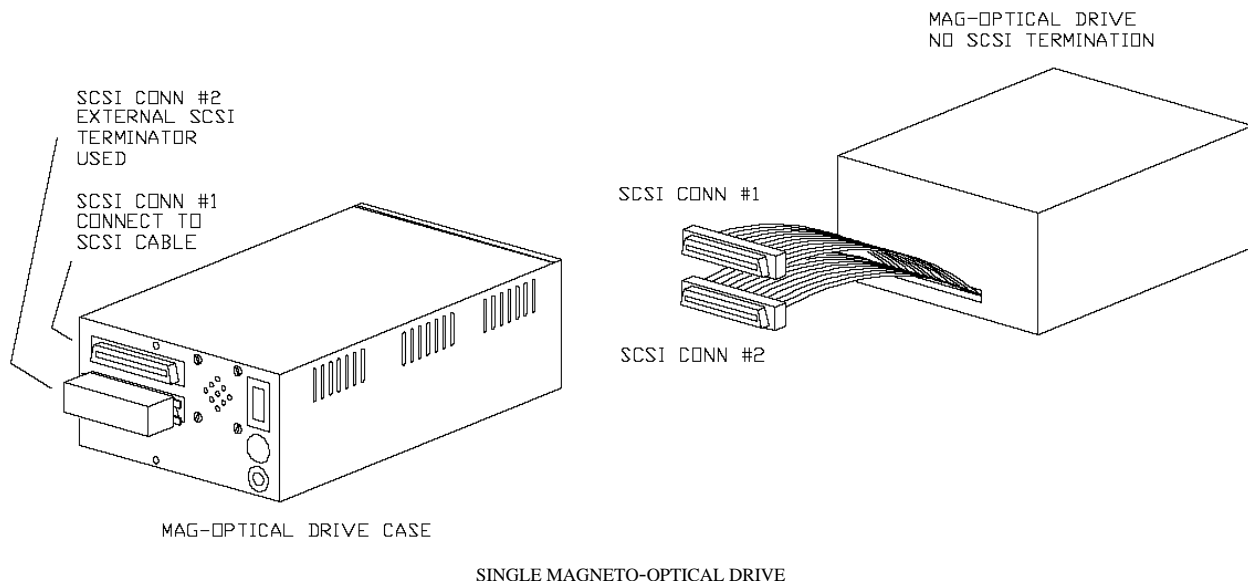
Install the SCSI active terminator to the LOWER MO drive interface connector on both systems (it is VERY important for proper operation). A mistake here will prevent proper communication between the PC and the MO drive and then therefore prevent DOS and Windows access to the drives.

Insure:

- the cable is in the TOP
- the terminator is in the LOWER connectors!

**Warning !** Failure to install the terminators will cause some intermittent and weird problems.

### SINGLE MAG-OPTICAL DRIVE SCSI DIAGRAM AND TERMINATION



### SCSI-Id s

The **single MO drive** (E-RIT/A) is set to **SCSI-Id 5** by AOS-500 prior to shipment (an internal jumper setting inside the drive case).

Insure the thumb wheels on the **dual MO drive** (E-RIT/R) are set:

TOP = SCSI-Id 5

BOTTOM = SCSI-Id 6

The thumb wheels on the dual MO drive are located on the back of the MO drive case (upside-down) near the cable connectors. Use a pencil/pen point as required. Incorrect settings may produce errors at bootup time.

**Caution !** Some problems have been experienced with the computers booting up. Due to shipping jarring, the dual MO drives SCSI-Id's may not be set causing the computer not to boot, reset the SCSI-Id's with a pen or pencil point.

## Connecting to the Modem Rack

Route the E-RIT Interface Cables from the NAS Modem Rack to the E-RIT/R System Rack. Connect the six (6) pin end into the modem rack to ground the cable shielding.

---

**Suggestion:** Label each end of the cable with SENSOR+CHANNEL NUMBER to keep track of which sensors are installed into which RDI Adapter.

---

## Connecting to E-RIT/RDIA

Each RDIA (Adapter) connects to a RDIB (Board) which has a discrete hexadecimal memory address in the E-RIT/R computer (dip switch settings have been set at the AOS warehouse). Each RDIA and RDIB is designed to connect eight (8) radar data channels.

AOS established the RDIB addressing convention: the RDIB next to the SCSI Host Adapter card (where the MO connects to and farthest from the floor) is set to D0000h. Each subsequent RDIB is (getting closer to the floor) is at the next hex address.

TOP of PC cabinet

Slot #	Board
1.	SCSI Host Adapter
2.	RDIB D0000h
3.	RDIB D2000h
4.	RDIB D4000h
5.	RDIB D6000h
6.	Processor Board
7.	
8.	RDIB D8000h
9.	RDIB DA000h
10.	RDIB DC000h

FLOOR (bottom of PC cabinet)

E-RIT SYSTEM BOARD ORDER

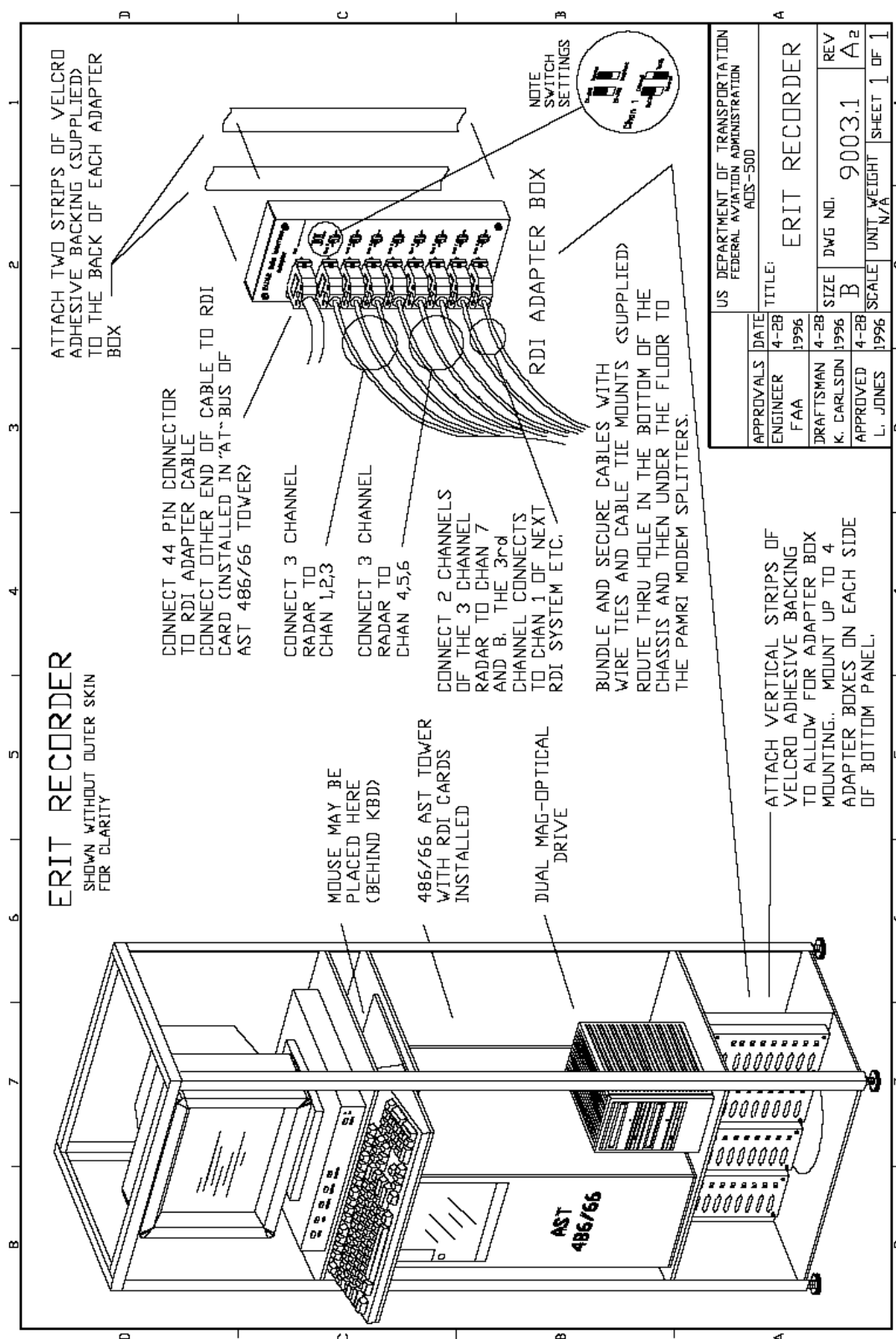
---

***Suggestion:*** Label each RDIA with RDIB ADDRESS to keep track of which RDIA is connected to which RDIB (you need this information when configuring the recording software).

---

## Mounting RDIA

Use the hook and loop (Velcro) strips provided to mount the RDIA to the vertical panel in the rack. Refer to the drawing, E-RIT Recorder Drawing #9003.1, on the following page for suggested mounting of each RDIA box.



E-RIT INTERFACE CABLE CONNECTIONS AND RDIA MOUNTING

## Attachment 2

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# ***E-RIT System Candidates***

Seq #	Site Id	Site Name, State Mailing Address	Site Contact (AF Technician)
1.	ACYT	AOS-520 WJHTC, NJ WJ Hughes Tech Center ACY Int'l AP Pomona, NJ 08405	609-485-6471 John Gibbons
2.	ZTL	Atlanta ARTCC, GA FAA ARTCC AFS 299 Woolsey Road Hampton, GA 30228	770-946-7274 Rice Hall
3.	ZMP	Minneapolis ARTCC, MN FAA DMS SMO 508 Division Street Farmington, MN 55024	612-463-5606 R.Harris
4.	ZBW	Boston ARTCC, NH FAA ARTCC AFS 35 Northeastern Blvd Nashua, NH 03062	603-886-7605 Bill Mann
5.	ZJX	Jacksonville ARTCC, FL FAA ARTCC AFS 10 Aviation Ave. Hilliard, FL 32046	904-549-1750 Clyde Summerell
6.	ZHU	Houston ARTCC, TX FAA ARTCC AFS 16600 J.F.K. Blvd Houston, TX 77032	713-230-5455 Dick Shaw
7.	ZMA	Miami ARTCC, FL FAA ARTCC AFS 7500 NW 58 Street Miami, FL 33166	305-716-1574 J. Harris
8.	ZSE	Seattle ARTCC, WA FAA ARTCC AFS 3101 Auburn Way, S. Auburn, WA 98002	206-351-3372 W. Foulkes 206-227-2480 George Johnson
9.	ZOA	Oakland ARTCC, CA FAA ARTCC AFS 5125 Central Avenue Fremont, CA 94536	510-745-3470 Bob Sinz
10.	ZLA	Los Angeles ARTCC, CA FAA ARTCC AFS 2555 East Ave P Palmdale, CA 93550	805-265-8427 Jesse Neil
11.	ZDC	Washington ARTCC, DC FAA ARTCC AFS 825 East Markey Street Leesburg, VA 22075	703-771-3640 Joseph Horton
12.	ZNY	New York ARTCC, NY FAA ARTCC AFS 4205 Johnson Ave. Ronkonkoma, NY 11779	516-468-1183 Sal Lomonaco

Seq #	Site Id	Site Name, State Mailing Address	Site Contact (AF Technician)
13.	ZAU	Chicago ARTCC, IL FAA ARTCC AFS 619 Indian Trail Road Aurora, IL 60506	708-906-8308 Darrel Oleson 708-906-8261 Greg Dvorak
14.	ZLC	Salt Lake City ARTCC, UT FAA ARTCC AFS 2150 West 700 N. Salt Lake City, UT 84116	801-320-2208 Richard Syddall
15.	ZFW	Fort Worth ARTCC, TX FAA ARTCC AFS 13800 FAA Road Euleess, TX 76039	817-858-7454 A. Mark Brownlow
16.	ZDV	Denver ARTCC, CO FAA ARTCC AFS 2211 17th Avenue Longmont, CO 80501	206-227-2480 G. Johnson
17.	ZID	Indianapolis ARTCC, IN FAA ARTCC AFS 1850 S. Sigsbee Street Indianapolis, IN 46241	317-247-2277 Jeffery Walsh
18.	ZAB	Albuquerque ARTCC, NM FAA ARTCC AFS 8000 Louisiana Blvd, N.E. Albuquerque, NM 87111	505-856-4451 David Roop
19.	ZME	Memphis ARTCC, TN FAA ARTCC AFS 3229 Democrat Road Memphis, TN 38118	901-368-8318 Robert Anders
20.	ZOB	Cleveland ARTCC, OH FAA ARTCC AFS 326 East Lorain Oberlin, OH 44074	216-774-0467 R. Ontolchik
21.	ZKC	Kansas City ARTCC, MO FAA ARTCC AFS 250 South Rogers Road Olathe, KS 66062	913-791-8647 M. Andreas
22.	ZAN	Anchorage ARTCC AFS FAA ARTCC AFS 5400 Davis Highway Anchorage, AK 99506	907-269-1152 Kenneth Cline
23.	MMAC	FAA Academy, OK Mike Monroney Aeronautical Center Thomas P. Stafford Bldg / AMP-220 6500 S. MacArthur Blvd Oklahoma City, OK 73169	405-954-6200 Chris Hassell

Seq #	Site Id	Site Name, State Mailing Address	Site Contact (AF Technician)
24.	ZHN	Honolulu CERAP, HI FAA Diamond Head SSC 4204 Diamond Head Road Honolulu, HI 96816-4420	808-739-7237 Geneson Coloma
25.	NYT	New York TRACON, NY FAA / NY TRACON MCF-81TB 1515 Stewart Avenue Westbury, NY 11590	516-683-2834 Jim Manta
26.	SCT	Southern California TRACON FAA / SCT 9175 Kearny Villa Road San Diego, CA 92126	619-537-5616 Darlene Lowell
27.	DFW	Dallas-Fort Worth TRACON FAA Control Tower International Parkway Dallas/Fort Worth Airport, TX 75261	214-615-2839 Issac Cooper
28.	ORD	Chicago TRACON 1100 Bowes Road Elgin, IL 60123	847-608-5836 Richard Mott
29.	ZUA	Guam CERAP, Guam FAA Guam Radar Automation SSC Route 008 Finegayan, Guam 96912-4301 Attn: GRA SSC	671-366-6915 Ken Reyes
30.	ZJU	San Juan CERAP, PR San Juan AFS 5000 Carr. 190 Carolina, Puerto Rico, 00979-74	787-253-8537 Antonio Correa

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## Attachment 3

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# ***E-RIT System Hardware Components (attached)***

EnRoute Radar Intelligent Tool (ERIT) Project



U.S. Federal Aviation Administration

William J. Hughes Technical Center

FAA AOS-520

Atlantic City, NJ 08405

## PACKING LIST

BOX #1 of 9



## MEMORANDUM

**DATE:** MAY 31, 1996

**TO:** FAA ATRCC AFS

**FR:** WAYNE PALAIA, AOS-520

**RE:** ERIT SYSTEM DELIVERY

THE ENROUTE RADAR INTELLIGENT TOOL (ERIT) SYSTEM DELIVERY IS A MULTI-PART SHIPMENT COMPRISED OF NINE (9) BOXES. BOXES MAY ARRIVE AT DIFFERENT TIMES AND OUT OF ORDER DUE TO THE ASSEMBLY, TESTING AND SHIPPING CONDITIONS. EACH BOX CONTAINS A PACKING LIST, WITH BOX #1 CONTAINING THE SHIPPING REPORT. AOS STB REFERENCES COVERING COMPONENTS REGARDING THIS SHIPMENT ARE: STB-RIT-005 ERIT SYSTEM DELIVERY, STB-RIT-002 ERIT SYSTEM RACK/INTERFACE CABLE DELIVERY , AND STB-RIT-003 ERIT SYSTEM RACK/INTERFACE CABLE ECO

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2.	ERIT/A AST PREMIUM SE 486/66 COMPUTER
3.	14 SVGA MONITOR
4.	14 SVGA MONITOR
5.	AMT ACCEL 535 COLOR DOT MATRIX PRINTER
6.	CANON BJ230E BUBBLE JET PRINTER
7.	SOFTWARE/POWER CENTER/RDIA/RDIC/MISC.
8.	SINGLE EXTERNAL MO DRIVE
9.	DUAL EXTERNAL MO DRIVE

EnRoute Radar Intelligent Tool (ERIT) Project



U.S. Federal Aviation Administration

William J. Hughes Technical Center

FAA AOS-520

Atlantic City, NJ 08405

## PACKING LIST

BOX #2 of 9



## MEMORANDUM

**DATE:** MAY 31, 1996

**TO:** FAA ATRCC AFS

**FR:** WAYNE PALAIA, AOS-520

**RE:** ERIT SYSTEM DELIVERY

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# EnRoute Radar Intelligent Tool (ERIT) Project



U.S. Federal Aviation Administration

William J. Hughes Technical Center

FAA AOS-520

Atlantic City, NJ 08405

## PACKING LIST

BOX #3 of 9



## MEMORANDUM

**DATE:** MAY 31, 1996

**TO:** FAA ATRCC AFS

**FR:** WAYNE PALAIA, AOS-520

**RE:** ERIT SYSTEM DELIVERY

THE ENROUTE RADAR INTELLIGENT TOOL (ERIT) SYSTEM DELIVERY IS A MULTI-PART SHIPMENT COMPRISED OF NINE (9) BOXES. BOXES MAY ARRIVE AT DIFFERENT TIMES AND OUT OF ORDER DUE TO THE ASSEMBLY, TESTING AND SHIPPING CONDITIONS. EACH BOX CONTAINS A PACKING LIST, WITH BOX #1 CONTAINING THE SHIPPING REPORT. AOS STB REFERENCES COVERING COMPONENTS REGARDING THIS SHIPMENT ARE: STB-RIT-005 ERIT SYSTEM DELIVERY, STB-RIT-002 ERIT SYSTEM RACK/INTERFACE CABLE DELIVERY , AND STB-RIT-003 ERIT SYSTEM RACK/INTERFACE CABLE ECO

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# EnRoute Radar Intelligent Tool (ERIT) Project



U.S. Federal Aviation Administration

William J. Hughes Technical Center

FAA AOS-520

Atlantic City, NJ 08405

## PACKING LIST

BOX #4 of 9



## MEMORANDUM

**DATE:** MAY 31, 1996

**TO:** FAA ATRCC AFS

**FR:** WAYNE PALAIA, AOS-520

**RE:** ERIT SYSTEM DELIVERY

**THE ENROUTE RADAR INTELLIGENT TOOL (ERIT) SYSTEM DELIVERY IS A MULTI-PART SHIPMENT COMPRISED OF NINE (9) BOXES. BOXES MAY ARRIVE AT DIFFERENT TIMES AND OUT OF ORDER DUE TO THE ASSEMBLY, TESTING AND SHIPPING CONDITIONS. EACH BOX CONTAINS A PACKING LIST, WITH BOX #1 CONTAINING THE SHIPPING REPORT. AOS STB REFERENCES COVERING COMPONENTS REGARDING THIS SHIPMENT ARE: STB-RIT-005 ERIT SYSTEM DELIVERY, STB-RIT-002 ERIT SYSTEM RACK/INTERFACE CABLE DELIVERY , AND STB-RIT-003 ERIT SYSTEM RACK/INTERFACE CABLE ECO**

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EnRoute Radar Intelligent Tool (ERIT) Project



U.S. Federal Aviation Administration

William J. Hughes Technical Center

FAA AOS-520

Atlantic City, NJ 08405

## PACKING LIST

BOX #5 of 9



## MEMORANDUM

**DATE:** MAY 31, 1996

**TO:** FAA ATRCC AFS

**FR:** WAYNE PALAIA, AOS-520

**RE:** ERIT SYSTEM DELIVERY

THE ENROUTE RADAR INTELLIGENT TOOL (ERIT) SYSTEM DELIVERY IS A MULTI-PART SHIPMENT COMPRISED OF NINE (9) BOXES. BOXES MAY ARRIVE AT DIFFERENT TIMES AND OUT OF ORDER DUE TO THE ASSEMBLY, TESTING AND SHIPPING CONDITIONS. EACH BOX CONTAINS A PACKING LIST, WITH BOX #1 CONTAINING THE SHIPPING REPORT. AOS STB REFERENCES COVERING COMPONENTS REGARDING THIS SHIPMENT ARE: STB-RIT-005 ERIT SYSTEM DELIVERY, STB-RIT-002 ERIT SYSTEM RACK/INTERFACE CABLE DELIVERY , AND STB-RIT-003 ERIT SYSTEM RACK/INTERFACE CABLE ECO

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# EnRoute Radar Intelligent Tool (ERIT) Project



U.S. Federal Aviation Administration

William J. Hughes Technical Center

FAA AOS-520

Atlantic City, NJ 08405

## PACKING LIST

BOX #6 of 9



## MEMORANDUM

**DATE:** MAY 31, 1996

**TO:** FAA ATRCC AFS

**FR:** WAYNE PALAIA, AOS-520

**RE:** ERIT SYSTEM DELIVERY

THE ENROUTE RADAR INTELLIGENT TOOL (ERIT) SYSTEM DELIVERY IS A MULTI-PART SHIPMENT COMPRISED OF NINE (9) BOXES. BOXES MAY ARRIVE AT DIFFERENT TIMES AND OUT OF ORDER DUE TO THE ASSEMBLY, TESTING AND SHIPPING CONDITIONS. EACH BOX CONTAINS A PACKING LIST, WITH BOX #1 CONTAINING THE SHIPPING REPORT. AOS STB REFERENCES COVERING COMPONENTS REGARDING THIS SHIPMENT ARE: STB-RIT-005 ERIT SYSTEM DELIVERY, STB-RIT-002 ERIT SYSTEM RACK/INTERFACE CABLE DELIVERY , AND STB-RIT-003 ERIT SYSTEM RACK/INTERFACE CABLE ECO

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9.	DUAL EXTERNAL MO DRIVE

# EnRoute Radar Intelligent Tool (ERIT) Project



U.S. Federal Aviation Administration

William J. Hughes Technical Center

FAA AOS-520

Atlantic City, NJ 08405

## PACKING LIST

BOX #7 of 9



## MEMORANDUM

**DATE:** MAY 31, 1996

**TO:** FAA ATRCC AFS

**FR:** WAYNE PALAIA, AOS-520

**RE:** ERIT SYSTEM DELIVERY

THE ENROUTE RADAR INTELLIGENT TOOL (ERIT) SYSTEM DELIVERY IS A MULTI-PART SHIPMENT COMPRISED OF NINE (9) BOXES. BOXES MAY ARRIVE AT DIFFERENT TIMES AND OUT OF ORDER DUE TO THE ASSEMBLY, TESTING AND SHIPPING CONDITIONS. EACH BOX CONTAINS A PACKING LIST, WITH BOX #1 CONTAINING THE SHIPPING REPORT. AOS STB REFERENCES COVERING COMPONENTS REGARDING THIS SHIPMENT ARE: STB-RIT-005 ERIT SYSTEM DELIVERY, STB-RIT-002 ERIT SYSTEM RACK/INTERFACE CABLE DELIVERY , AND STB-RIT-003 ERIT SYSTEM RACK/INTERFACE CABLE ECO

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# EnRoute Radar Intelligent Tool (ERIT) Project



U.S. Federal Aviation Administration

William J. Hughes Technical Center

FAA AOS-520

Atlantic City, NJ 08405

## PACKING LIST

BOX #8 of 9



## MEMORANDUM

**DATE:** MAY 31, 1996

**TO:** FAA ATRCC AFS

**FR:** WAYNE PALAIA, AOS-520

**RE:** ERIT SYSTEM DELIVERY

THE ENROUTE RADAR INTELLIGENT TOOL (ERIT) SYSTEM DELIVERY IS A MULTI-PART SHIPMENT COMPRISED OF NINE (9) BOXES. BOXES MAY ARRIVE AT DIFFERENT TIMES AND OUT OF ORDER DUE TO THE ASSEMBLY, TESTING AND SHIPPING CONDITIONS. EACH BOX CONTAINS A PACKING LIST, WITH BOX #1 CONTAINING THE SHIPPING REPORT. AOS STB REFERENCES COVERING COMPONENTS REGARDING THIS SHIPMENT ARE: STB-RIT-005 ERIT SYSTEM DELIVERY, STB-RIT-002 ERIT SYSTEM RACK/INTERFACE CABLE DELIVERY , AND STB-RIT-003 ERIT SYSTEM RACK/INTERFACE CABLE ECO

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# EnRoute Radar Intelligent Tool (ERIT) Project



U.S. Federal Aviation Administration

William J. Hughes Technical Center

FAA AOS-520

Atlantic City, NJ 08405

## PACKING LIST

**BOX #9 of 9**



## MEMORANDUM

**DATE: MAY 31, 1996**

**TO: FAA ATRCC AFS**

**FR: WAYNE PALAIA, AOS-520**

**RE: ERIT SYSTEM DELIVERY**

**THE ENROUTE RADAR INTELLIGENT TOOL (ERIT) SYSTEM DELIVERY IS A MULTI-PART SHIPMENT COMPRISED OF NINE (9) BOXES. BOXES MAY ARRIVE AT DIFFERENT TIMES AND OUT OF ORDER DUE TO THE ASSEMBLY, TESTING AND SHIPPING CONDITIONS. EACH BOX CONTAINS A PACKING LIST, WITH BOX #1 CONTAINING THE SHIPPING REPORT. AOS STB REFERENCES COVERING COMPONENTS REGARDING THIS SHIPMENT ARE: STB-RIT-005 ERIT SYSTEM DELIVERY, STB-RIT-002 ERIT SYSTEM RACK/INTERFACE CABLE DELIVERY , AND STB-RIT-003 ERIT SYSTEM RACK/INTERFACE CABLE ECO**

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